

## Guillain-Barré Syndrome in a Patient with Myasthenia Gravis

Soo Kun Seo, M.D., Moon Ho Park, M.D., Beom Sick Park, M.D., Byung Jo Kim, M.D.,  
Min Gyu Park, M.D., Gun Woo Park, M.D., Dae Hie Lee, M.D.

Department of Neurology, Korea University College of Medicine

### - Abstract -

Both myasthenia gravis and Guillain-Barré syndrome are autoimmune disorder, but it is very rare that both of them occur together. A 53-year old woman with history of myasthenia gravis complained of weakness of extremities, worsening progressively for several days. Electrophysiologic study showed findings of motor axonal neuropathy without sensory involvement. She became improved in aspect of clinical symptoms and electrophysiologic findings after infusion of immunoglobulin. This is a case of Guillain-Barré syndrome in a patient with myasthenia gravis.

**Key Words :** Guillain-Barré syndrome, Myasthenia gravis, Autoimmune disease

(myasthenia gravis)

가 , 가<sup>1,2</sup>

53 가 5

1994

(Guillain-Baré syndrome)

가<sup>3,4</sup> , tensilon ,

<sup>2,5</sup>가

: 5가

**Table 1.** Motor nerve conduction study of initial time diagnosed with myasthenia gravis.

Nerve	Terminal latency(ms)	Amplitude (mV)	Velocity (m/s)	F-wave latency(ms)
Median nerve	3.0	6.1	59.5	21.2
Ulnar nerve	2.4	7.2	61.1	22.1
Peroneal nerve	4.8	7.2	56.5	40.0

**Table 2.** Motor nerve conduction study

Admission date	Nerve	Terminal latency(msec)	Amplitude (mV)	Velocity (m/sec)	F-wave latency(msec)
#3	Median nerve, right	6.4	0.987	45	NP*
	Ulnar nerve, right			NP	
	Peroneal nerve, right	7.3	0.589	37	NP
	Posterior Tibial nerve, right			NP	
#23	Median nerve, right	4.4	2.260	49	NP
	Ulnar nerve, right	4.4	0.372	35	NP
#45	Median nerve, right	4.3	2.562	52	
	Ulnar nerve, right	4.2	0.492	45	
	Peroneal nerve, right	6.5	1.505	39	
	Posterior Tibial nerve, right	5.2	0.529	37	

\*not provoked

(anticholine . 3 ,  
 esterase) , grade ,  
 (Table 1). 6 grade 0  
 가 pH 7.59, pCO<sub>2</sub> 29mmHg, pO<sub>2</sub>  
 58mmHg, HCO<sub>3</sub> 27.2mmol/L, O<sub>2</sub> Saturation  
 10 94.1% .  
 가 (cephalosporin) 가  
 , 5 가 가 ,  
 가 F-wave  
 (Table 2).  
 grade , 10 X-  
 grade , 가  
 , 61mg/dl  
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 10,400μl 가  
 , 28  
 grade + , grade  
 가 , grade +  
 . 2 , 37.8 ,  
 , 3 , 가 ,



가 가

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